


75009602	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 SS MTG M20	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A 3 is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination
Housing
Insert

75009602
H-A 3 MTgv M20 (195 12 100)
H-A 3 SS (10420000)

General characteristics

Series	H-A 3
Version	Male
Connection type	Screw termination
Pin-arrangement	3 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125


Materials and surfaces

Housing, base material	Zinc die-casting
Housing, surface	Powder-coating, grey
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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75009602	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 SS MTG M20	

Approvals

VDE-Approval, VDE-REG.-Nr.
UL File Number
CSA File Number

B437
E75770
053004



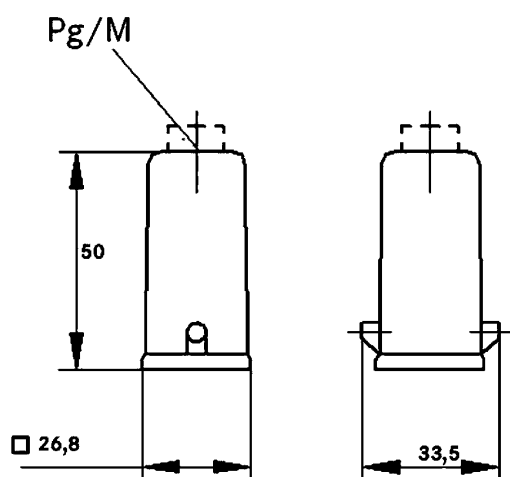
Standards

Safety Standard

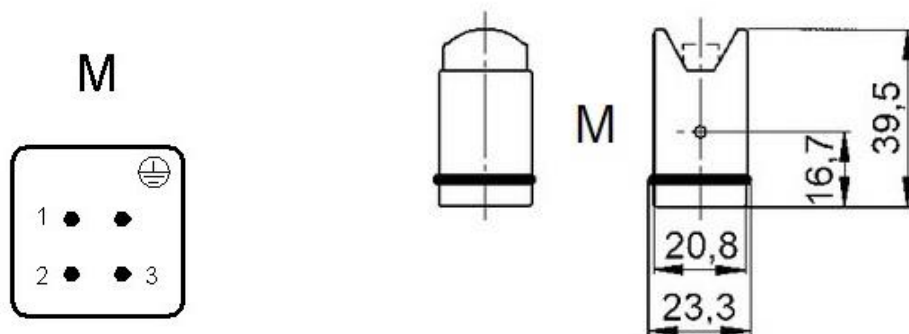
IEC 61984; UL 1977; CSA-C22.02


Technical Drawings

Housing



Insert



75009602	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 SS MTG M20	



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts

Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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75009604	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 SS MTS M20	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A 3 is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009604
Housing	H-A 3 MTS M20 (19512300)
Insert	H-A 3 SS (10420000)

General characteristics

Series	H-A 3
Version	Male
Connection type	Screw termination
Pin-arrangement	3 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125

Materials and surfaces

Housing, base material	Zinc die-casting
Housing, surface	Powder-coating, grey
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 – 4 mOhm
Degree of Soiling	3

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75009604	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 SS MTS M20	

Approvals

VDE-Approval, VDE-REG.-Nr.
UL File Number
CSA File Number

B437
E75770
053004



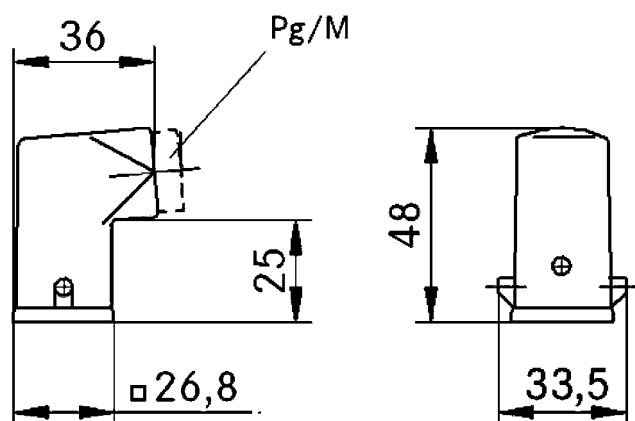
Standards

Safety Standard

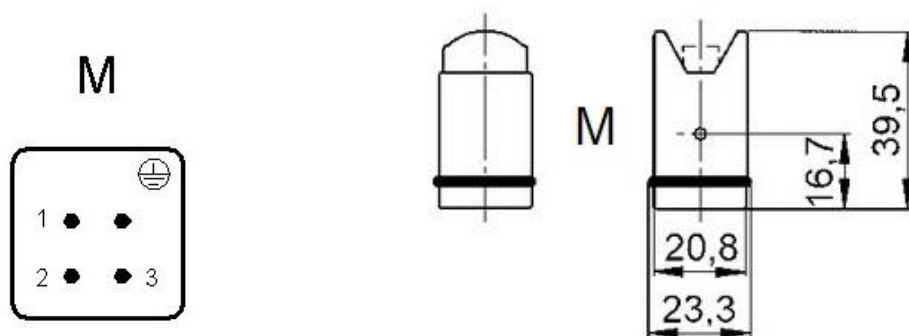
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



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75009604	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 SS MTS M20	



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts


Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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75009606	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAG	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A 3 is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009606
Housing	H-A 3 Mag (10422500)
Insert	H-A 3 BS (10421000)

General characteristics

Series	H-A 3
Version	Female
Connection type	Screw termination
Pin-arrangement	3 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125


Materials and surfaces

Housing, base material	Zinc die-casting
Housing, surface	Powder-coating, grey
Sealing	NBR
Lever	Steel, zinc-plated
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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75009606	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAG	

Approvals

VDE-Approval, VDE-REG.-Nr.

B437

UL File Number

E75770

CSA File Number

053004



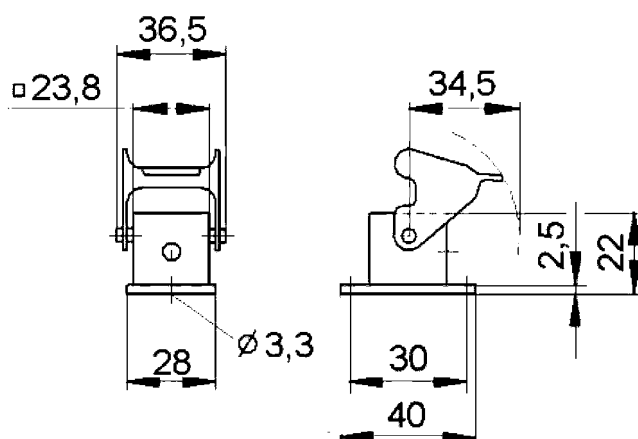
Standards

Safety Standard

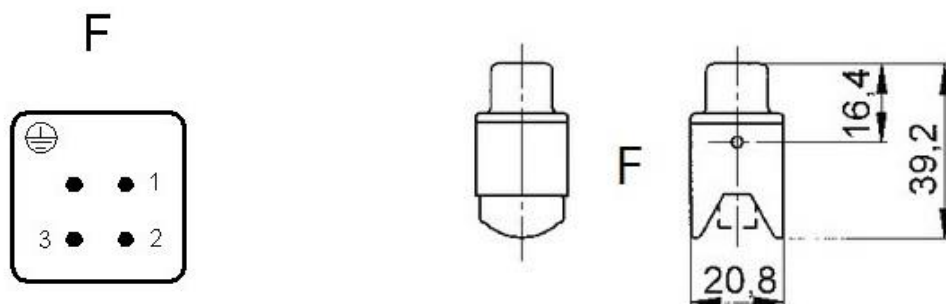
IEC 61984; UL 1977; CSA-C22.02


Technical Drawings

Housing



Insert



75009606	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAG	



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts


Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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75009608	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAGS	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A 3 is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009608
Housing	H-A 3 Mags (10423500)
Insert	H-A 3 BS (10421000)

General characteristics

Series	H-A 3
Version	Female
Connection type	Screw termination
Pin-arrangement	3 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125

Materials and surfaces

Housing, base material	Zinc die-casting
Housing, surface	Powder-coating, grey
Sealing	NBR
Lever	Steel, zinc-plated
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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75009608	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAGS	

Approvals

VDE-Approval, VDE-REG.-Nr.
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CSA File Number

B437
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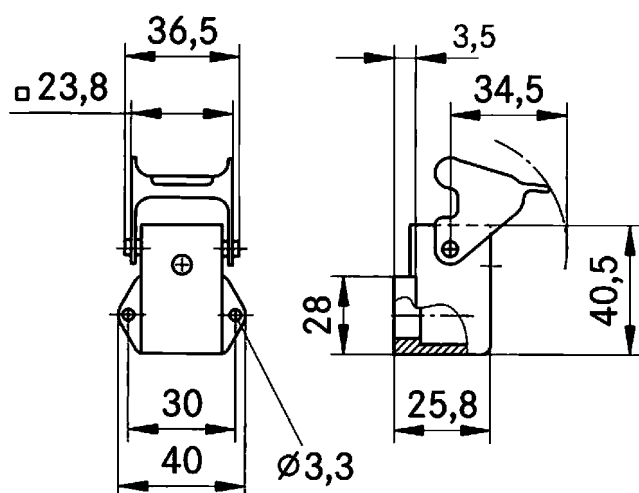
Standards

Safety Standard

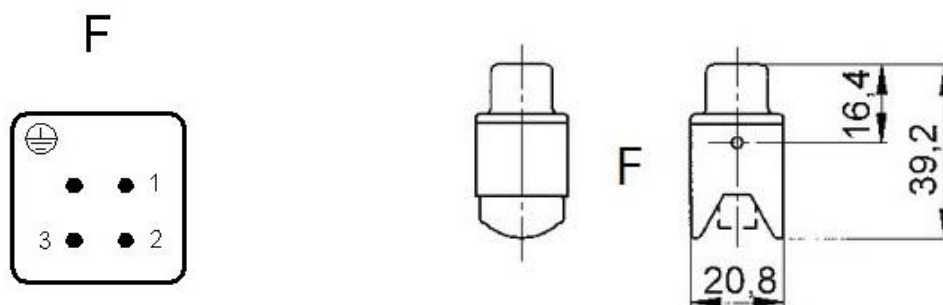
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



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75009608	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAGS	



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts

Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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75009610	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAGSV M20	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A 3 is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009610
Housing	H-A 3 Magsv M20 (19512700)
Insert	H-A 3 BS (10421000)

General characteristics

Series	H-A 3
Version	Female
Connection type	Screw termination
Pin-arrangement	3 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125

Materials and surfaces

Housing, base material	Zinc die-casting
Housing, surface	Powder-coating, grey
Sealing	NBR
Lever	Steel, zinc-plated
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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75009610	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAGSV M20	

Approvals

VDE-Approval, VDE-REG.-Nr.
UL File Number
CSA File Number

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E75770
053004



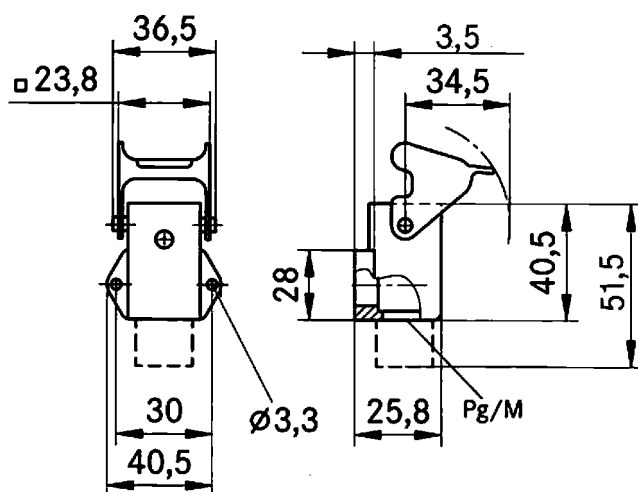
Standards

Safety Standard

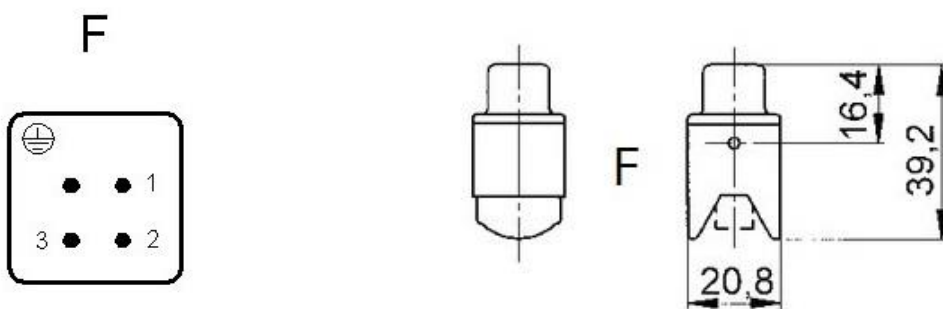
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



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75009610	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MAGSV M20	



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts


Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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75009612	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MTGB M20	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A 3 is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009612
Housing	H-A 3 MTgvb M20 (19512900)
Insert	H-A 3 BS (10421000)

General characteristics

Series	H-A 3
Version	Female
Connection type	Screw termination
Pin-arrangement	3 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125


Materials and surfaces

Housing, base material	Zinc die-casting
Housing, surface	Powder-coating, grey
Lever	Steel, zinc-plated
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 – 4 mOhm
Degree of Soiling	3

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75009612	DATA SHEET	
Valid from: 30.10.2018	EPIC® KIT H-A 3 BS MTGB M20	

Approvals

VDE-Approval, VDE-REG.-Nr.
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CSA File Number

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053004



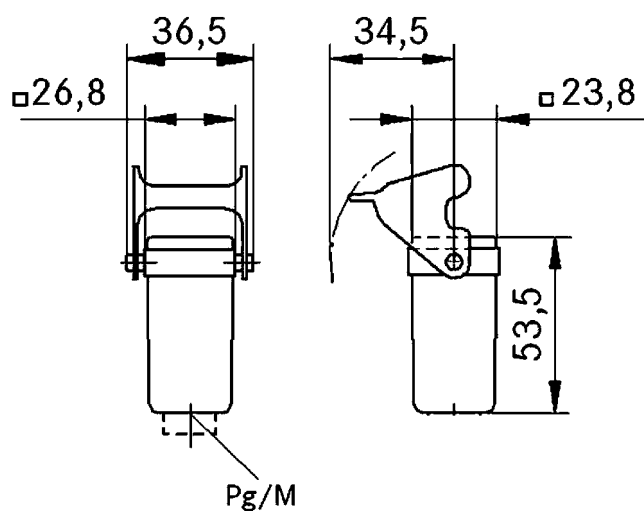
Standards

Safety Standard

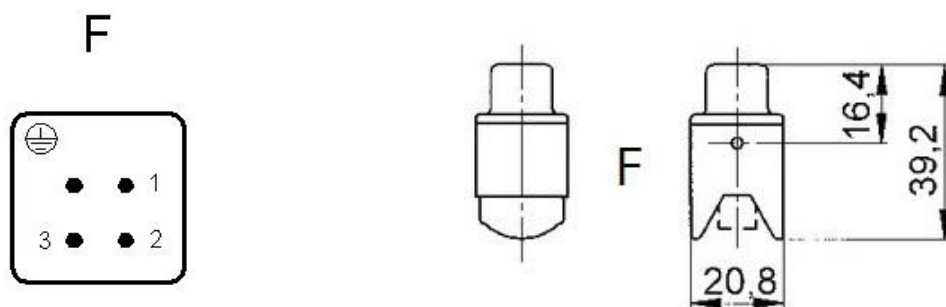
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



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75009612	DATA SHEET	
Valid from: 30.10.2018	EPIC[®] KIT H-A 3 BS MTGB M20	



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts

Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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